



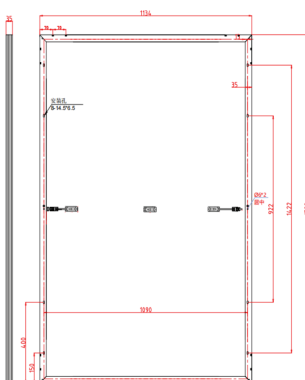
## Key Features

- **Monocrystalline Panels** – Features substantial conversion efficiency and power output.
- **PERC Silicon Solar Cells** – Provides both cost savings and overall better power output performance.

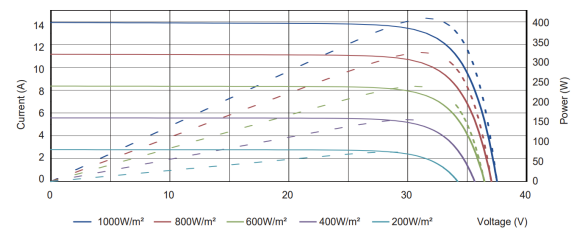
## Additional Features:

- 100% EL testing on all modules
- Top ranked PTC (Production Tax Credit) rating
- **10 Year** – Material and workmanship warranty
- No hot spots, guaranteed
- Quick and inexpensive mounting
- **25 Year** – Power output warranty

## Module Diagram



## Electrical Performance



Renogy X is a subsidiary of RNG International, Inc.

# Technical Specifications

	<b>Renogy X 405W</b>
Model Number	RSP405D-BB-120
	RSP405D-BB-108
<b>Electrical Data</b>	
Max. Power at STC	405W
Optimum Operating Voltage	31.09V
Optimum Operating Current	13.02A
Open Circuit Voltage (Voc)	37.31V
Short Circuit Current (Isc)	13.87A
Module Efficiency	20.5%
Max System Voltage	1500 VDC
Max Series Fuse Rating	25A
<b>Mechanical Data</b>	
Solar Cell Type	PERC Monocrystalline (7.2 x 3.6 in)
Number of Cells	108 (6 x 18), 60 cells in series
Dimensions	67.8" x 44.7" x 1.4"
Weight	47.4 lbs.
Front Glass	Tempered Glass 0.13"
Frame	Anodized Aluminum Alloy
Connector	Solar Connector
Fire Rating	Class C
<b>Thermal Data</b>	
Operating Temp. Range	-40F to 185F
Temp Coefficient of Pmax	-0.35 %/C
Temp Coefficient of Voc	-0.26 %/C
Temp Coefficient of Isc	0.048 %/C
<b>Junction Box</b>	
Protection Degree	IP68
Diode	FMK4545D/FMK5040D/FMK4560T
Number of Diodes	3
Output Cables	12 AWG 300mm (11.8 in)
<b>MC4001 - Solar Connectors</b>	
Rated Current	35A
Maximum Voltage	1500 VDC
Maximum AWG Size	10 AWG
Operating Temperatures	-40°F to 185°F
IP Rating	IP65 / IP 68 (1m, 1h)
<b>Certifications</b>	
EN IEC61730	Yes
EN IEC61215	Yes
ISO 9001: QMS	Yes
ETL, UL61730	Yes

**Renogy X is a subsidiary of RNG International, Inc.**